



National Weather Service

Storm Data and Unusual Weather Phenomena



June 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops	Character of Storm
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LAKE MICHIGAN

LMZ646	Wind Pt Lt Wi To Winthrop Hbr II							
Kenosha	05	0315CST			0	0		Marine Hail (0.75)
A thunderstorm in the last of three rounds of severe weather to affect southern Wisconsin from June 4th into June 5th managed to produce 3/4 inch diameter hail on the lakeshore of Kenosha.								
LMZ645	North Pt Lt To Wind Pt Wi							
Cudahy	07	1550CST			0	0		Marine Hail (1.00)
LMZ645	North Pt Lt To Wind Pt Wi							
Cudahy	07	1553CST			0	0		Marine Tstm Wind (MG44)
Isolated to scattered thunderstorms during the afternoon affected the nearshore area around Milwaukee. One storm pulsed to severe limits and produced some large hail and strong gusty winds along the nearshore south of Milwaukee								
LMZ644	Pt Washington To North Pt Lt Wi							
Port Washington	30	0230CST			0	0		Marine Hail (0.75)
LMZ645	North Pt Lt To Wind Pt Wi							
Milwaukee Harbor	30	0400CST			0	0		Marine Tstm Wind (MG41)
LMZ646	Wind Pt Lt Wi To Winthrop Hbr II							
Racine	30	0413CST			0	0		Marine Tstm Wind (MG35)
A bowing line of severe storms that moved through southern Wisconsin eventually moved east across Lake Michigan, but weakened with time. Some strong gusts and large hail were noted along the immediate Lake Michigan shoreline.								

WISCONSIN, Southeast

Rock County								
3 SSW Janesville	04	1203CST			0	0		Thunderstorm Wind (EG52)
Rock County								
Evansville	04	1205CST			0	0		Thunderstorm Wind (EG52)
Dane County								
1.5 SE Albion	04	1215CST			0	0		Thunderstorm Wind (EG52)
Dane County								
Albion	04	1220CST			0	0		Thunderstorm Wind (EG52)
A utility pole fell on a house.								
Jefferson County								
Jefferson	04	1225CST			0	0	75K	Thunderstorm Wind (EG65)
A twenty by twenty foot section of Jefferson High School's roof was torn off. In addition, many large trees and power lines were knocked down in and around the city of Jefferson.								
Jefferson County								
1 S Johnson Creek	04	1235CST			0	0		Thunderstorm Wind (EG56)
Jefferson County								
.5 W Concord	04	1245CST			0	0		Thunderstorm Wind (EG55)
Kenosha County								
1.3 SW Trevor	04	1330CST			0	0		Thunderstorm Wind (EG52)
Fond Du Lac County								
.3 WSW Ripon	04	1333CST			0	0		Thunderstorm Wind (EG50)
Kenosha County								
1 N Paris	04	1340CST			0	0		Thunderstorm Wind (EG52)
Washington County								
2 S Jackson	04	1403CST			0	0		Hail(0.75)



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					Killed	Injured	Property	Crops	

WISCONSIN, Southeast

Three different rounds of severe weather occurred between the afternoon of June 4th and the evening of June 5th. The first round occurred just after noon on June 4th. Scattered severe thunderstorms produced areas of mainly damaging winds between 52 to 61 knots (60 and 70 mph). At 1225CST, a 20x20 foot section of Jefferson High School's roof was blown off in Jefferson County. Power lines were also reported down around 1230CST near Jefferson. Other scattered reports of tree damage with some power line damage were noted across Rock, Dane, Fond du Lac, and Kenosha counties. Synoptically, an area of low pressure tracked across eastern South Dakota on June 4th and into northern Minnesota by late evening on June 5th. A warm front surged north across South-Central and Southeast Wisconsin during the evening on June 4th, causing thunderstorms to develop. The warm front stalled for a bit during the early morning hours on June 5th, allowing another round to develop and head east across the area. Finally, the warm front pushed into northern Wisconsin, allowing warm and humid air to flood into the region, fueling the final round along the cold front by late afternoon or early evening on June 5th.

Walworth County 3 E Delavan	04	2210CST			0	0			Hail(1.75)
Milwaukee County West Allis	04	2229CST			0	0			Hail(0.75)
Walworth County Honey Creek	04	2235CST			0	0			Hail(0.75)
Racine County Waterford	04	2238CST			0	0			Hail(0.88)
Lafayette County Benton to 5 W Darlington	04	2325CST 2340CST			0	0	5K		Thunderstorm Wind (EG56)
Pontoon boat overturned.									
Green County Browntown to 2 S Monroe	04 05	2346CST 0000CST			0	0	5K		Thunderstorm Wind (EG56)
Trees and powerlines down.									
Iowa County 1 W Dodgeville	04	2350CST			0	0	10K		Thunderstorm Wind (EG65)
Powerpoles down on Highway 18.									
Lafayette County Argyle	04	2355CST			0	0			Thunderstorm Wind (EG52)
Sauk County Spring Green	05	0000CST			0	0	50K		Thunderstorm Wind (EG65)
Numerous large trees were toppled along with power lines.									
Green County New Glarus	05	0004CST			0	0			Thunderstorm Wind (EG52)
Sauk County Hillpt to Baraboo	05	0010CST 0035CST			0	0	20K		Thunderstorm Wind (EG65)
Some large trees and power lines were knocked down.									
Columbia County Lodi	05	0019CST			0	0			Thunderstorm Wind (MG50)
Measured at Lodi Middle School.									
Jefferson County 1 W Lake Mills	05	0054CST			0	0			Hail(0.75)



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WISCONSIN, Southeast

Rock County

Janesville	05	0106CST			0	0			Hail(0.88)
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Kenosha County

1 W Kenosha	05	0315CST			0	0			Hail(1.75)
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Three different rounds of severe weather occurred between the afternoon of June 4th and the evening of June 5th. The second round of severe weather occurred during the late evening on June 4th through the early morning hours on June 5th. Clusters of severe thunderstorms, producing mainly large hail and damaging winds, crossed most of South-Central and Southeast Wisconsin. Golf-ball sized hail (1.75 inches) was measured at a location 3 miles east of Delavan at 2210CST and 1 mile west of Kenosha at 0315CST. Damaging winds caused tree and power line damage across Lafayette, Sauk, Iowa, Green, and Fond du Lac counties. A pontoon boat was overturned in Lafayette County which caused \$5,000 in damage. Synoptically, an area of low pressure tracked across eastern South Dakota on June 4th and into northern Minnesota by late evening on June 5th. A warm front surged north across South-Central and Southeast Wisconsin during the evening on June 4th, causing thunderstorms to develop. The warm front stalled for a bit during the early morning hours on June 5th, allowing another round to develop and head east across the area. Finally, the warm front pushed into northern Wisconsin, allowing warm and humid air to flood into the region, fueling the final round along the cold front by late afternoon or early evening on June 5th.

Dodge County

3 W Brownsville	05	1720CST			0	0	25K		Thunderstorm Wind (EG65)
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A pole shed, machine shed, and silo were damaged.

Fond Du Lac County

4 N Byron	05	1724CST			0	0			Thunderstorm Wind (EG65)
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A 4 by 12 foot panel was tossed 50 feet. Trees and shingles were also reported down.

Three different rounds of severe weather occurred between the afternoon of June 4th and the evening of June 5th. The third round of severe weather, albeit more isolated, came during the evening hours on June 5th. A few isolated severe storms across Fond du Lac and Dodge counties caused a few reports of wind damage. About 4 miles north of Bryon, a 4x12 foot panel was tossed 50 feet. A pole shed, machine shed, and a silo was damaged 3 miles west of Brownsville which caused \$20,000 in damage. Synoptically, an area of low pressure tracked across eastern South Dakota on June 4th and into northern Minnesota by late evening on June 5th. A warm front surged north across South-Central and Southeast Wisconsin during the evening on June 4th, causing thunderstorms to develop. The warm front stalled for a bit during the early morning hours on June 5th, allowing another round to develop and head east across the area. Finally, the warm front pushed into northern Wisconsin, allowing warm and humid air to flood into the region, fueling the final round along the cold front by late afternoon or early evening on June 5th.

Sauk County

1 E La Valle	07	1417CST			0	0			Hail(0.75)
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Milwaukee County

(Mke)Mitchell Apt Mi	07	1543CST			0	0			Hail(1.50)
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Milwaukee County

1 NE (Mke)Mitchell Apt	07	1544CST 1547CST			0	0			Hail(0.88)
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Milwaukee County

South Milwaukee	07	1550CST			0	0	20K		Hail(1.00)
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Hail dented cars and siding, and broke a patio glass table top along with a window.



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WISCONSIN, Southeast

Milwaukee County

1 SSE Cudahy	07	1600CST			0	0	20K		Hail(1.00)
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Hail and 40 to 50 mph winds caused some siding damage.

Isolated to scattered thunderstorms developed and pulsed to severe limits during the afternoon and slowly pushed east across portions of South-Central and Southeast Wisconsin. Penny to quarter sized hail (3/4" - 1") was reported 1 mile east of LaValle, however hail up to the size of ping pong balls (1.5") was reported at Milwaukee General Mitchell International Airport just south of downtown Milwaukee at 1543CST. This same hail storm caused \$2,000 in damage in South Milwaukee and \$2,000 in damage in Cudahy due to dented cars, dented siding, and broken windows.

Sauk County

1 NW Hillpt	10	1225CST			0	0			Thunderstorm Wind (EG52)
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Sauk County

Loganville	10	1237CST			0	0			Hail(1.00)
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Iowa County

2 E Edmund	10	1349CST			0	0			Thunderstorm Wind (EG52)
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Dane County

Fitchburg to 1.5 W Madison	10	1815CST 1820CST			0	0			Thunderstorm Wind (EG56)
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Dane County

1.7 W Madison	10	1820CST			0	0			Hail(1.50)
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Dane County

.5 SW Madison	10	1820CST			0	0	60K		Lightning
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Lightning struck 3 condo units, causing 60,000 dollars in damage.

Dane County

1 SW Fitchburg	10	1823CST			0	0			Hail(1.75)
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Dodge County

Horicon to Mayville	10	1830CST 1835CST			0	0			Thunderstorm Wind (EG52)
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Columbia County

Poynette	10	1922CST			0	0			Hail(0.88)
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Columbia County

Portage	10	1945CST			0	0			Thunderstorm Wind (EG52)
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Iowa County

6 N Cobb to 6 N Edmund	10	2000CST			0	0			Thunderstorm Wind (EG56)
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Iowa County

7 NNW Barneveld	10	2010CST			0	0			Thunderstorm Wind (EG52)
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Two rounds of marginally severe, scattered storms affected southern Wisconsin on the 10th. Early afternoon and early evening rounds of severe storms had some damaging wind gusts and large hail. Large trees were knocked over by the wind gusts. A lightning strike in Madison resulted in a fire that damaged a 3-condo unit. The afternoon airmass featured temperatures in the 85 to 90 range and dewpoints in the 65 to 70 range.

Walworth County

Allen Grove	11	1418CST			0	0			Thunderstorm Wind (EG52)
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Walworth County

Lyons	11	1519CST			0	0	15K		Lightning
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Lightning struck a house, setting it on fire.

Walworth County

1 N Fontana	11	1524CST			0	0			Thunderstorm Wind (EG52)
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<u>WISCONSIN, Southeast</u>								
Walworth County 2 SW Whitewater	11	1535CST			0	0		Thunderstorm Wind (EG52)
Washington County 8.5 SSW Hartford	11	1550CST			0	0		Thunderstorm Wind (EG52)
Scattered severe storms across southern Wisconsin produced damaging wind gusts that uprooted large trees and pushed over some power lines. Lightning triggered a fire that lightly damaged a home in Lyons								
Sauk County Limeridge	24	1620CST			0	0		Hail(0.75)
An isolated storm pulsed to severe limits and produced marginally severe hail.								
Green County 1.5 S Monroe	25	1950CST			0	0		Thunderstorm Wind (EG52)
Jefferson County 6 SW Ft Atkinson	25	2200CST			0	5		Lightning
Five people in a tent were indirectly injured at Jelleystone Campground when a lightning bolt struck nearby, and the current traveled to the tent. They were treated in area hospitals.								
Scattered storms affected parts of South-Central and Southeast Wisconsin, producing isolated damaging wind gusts which toppled some large trees.								
Dane County 3 ESE Stoughton	26	1715CST			0	0		Thunderstorm Wind (EG52)
Jefferson County Cambridge	26	1735CST			0	0		Thunderstorm Wind (EG52)
Rock County 4.6 N Milton	26	1735CST			0	0		Thunderstorm Wind (EG52)
Jefferson County 5.4 SSW Ft Atkinson	26	1740CST			0	0		Thunderstorm Wind (EG52)
Jefferson County 1 NW Busseyville	26	1745CST			0	0	10K	Thunderstorm Wind (EG52)
Some large trees were toppled and a couple power lines were snapped.								
Jefferson County Lake Mills	26	1748CST			0	0		Thunderstorm Wind (EG52)
Dodge County 3 NNW Ashippun	26	1850CST			0	0		Thunderstorm Wind (EG52)
A cluster of storms developed over parts of south-central and southeast Wisconsin during the evening hours of the 26th. Damaging winds were the primary severe weather effect. Mainly large trees were uprooted								
Iowa County 6 N Dodgeville	29 30	2339CST 0039CST			0	0		Thunderstorm Wind (EG56)
Sauk County Lake Delton	30	0005CST			0	0		Thunderstorm Wind (EG52)
Lafayette County Argyle	30	0012CST			0	0	0.20K	Lightning
Lightning struck a child's playhouse, setting it on fire.								
Columbia County .2 W Poynette	30	0027CST			0	0		Thunderstorm Wind (EG52)
Dodge County 2 SE Randolph	30	0118CST			0	0		Thunderstorm Wind (EG56)



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WISCONSIN, Southeast

Marquette County									
Harrisville	30	0120CST			0	0			Thunderstorm Wind (EG56)
Columbia County									
.2 W Rio	30	0136CST			0	0			Thunderstorm Wind (EG52)
Waukesha County									
Merton	30	0200CST			0	0			Thunderstorm Wind (EG56)
Rock County									
Newark	30	0220CST			0	0			Thunderstorm Wind (EG65)
Walworth County									
.2 SW Sharon	30	0220CST			0	0			Thunderstorm Wind (EG56)
Ozaukee County									
Port Washington	30	0230CST			0	0			Hail(0.75)
Walworth County									
Delavan	30	0230CST			0	0			Thunderstorm Wind (EG52)
Rock County									
1 SW Janesville	30	0250CST			0	0			Thunderstorm Wind (EG52)
Waukesha County									
Eagle	30	0250CST			0	0			Thunderstorm Wind (EG56)
Rock County									
Janesville	30	0252CST			0	0			Thunderstorm Wind (EG52)
Rock County									
Janesville	30	0255CST			0	0			Thunderstorm Wind (EG52)
Waukesha County									
Genesee	30	0300CST			0	0			Thunderstorm Wind (EG52)
Rock County									
4 NW Milton	30	0305CST			0	0			Thunderstorm Wind (EG56)
Waukesha County									
Brookfield	30	0345CST			0	0			Thunderstorm Wind (EG52)
Milwaukee County									
Milwaukee	30	0355CST			0	0			Thunderstorm Wind (EG56)
Milwaukee County									
3 ENE Greenfield	30	0400CST			0	0			Thunderstorm Wind (EG56)
Milwaukee County									
Milwaukee	30	0405CST			0	0			Thunderstorm Wind (EG56)

A small bowing squall line moved from northern Iowa across southern Wisconsin during the evening hours on June 29th into the early morning hours of June 30th. Large trees were knocked down with this bow echo across northern Iowa, Sauk, and Columbia counties before it weakened around 0000CST on the 30th. Spotter noted that the the gust front raced ahead of the storms, cutting off the inflow. Another line of storms developed behind the initial bow between 0100CST and 0200CST, and pushed across areas mainly north of Interstate 94. More large trees were toppled in Marquette, Columbia, Dane, Dodge, Jefferson, and Waukesha counties. As the second bow pushed east, it weakened, but still produced penny sized hail in Port Washington. Shortly after 0200CST, clusters of thunderstorms developed across Walworth and Rock counties and pushed into Waukesha, Milwaukee, Racine, and Kenosha counties between 0300CST and 0400CST. Scattered reports of toppled large trees were noted with this activity. Synoptically, a low pressure system tracked into northern Minnesota, dragging a cold front into southern Wisconsin. Warm, humid, and unstable conditions ahead of the system helped to produce severe thunderstorms despite the unfavorable time of day.